

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

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TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

01/26/2012

Elle Rackemann
Assistant District Attorney, Suffolk County

Dear ADA Rackemann,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Nicole Medina.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Nicole Medina analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".
Annie Dookhan
Chemist
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6622

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry

University of Massachusetts, Boston, Ma, Bachelor of Science

Major: Biochemistry

Minor: Economics

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Writing of the Standard Operating Procedures (SOPs) and Protocols.

*Responsible for the Quality Control and Quality Assurance of analytical instruments, reagents and controls/standards.

*Maintenance and repairs of analytical instruments.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court.

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health.

*Notary Public.

2001 – 2003

QC Analyst I, II, UMMSS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MBL Quality Control and Quality Assurance Department for the Food and Drug Administration.

*Method Development for creating new techniques for the QC Dept. and FDA.

*Writing, revising and reviewing the Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Courses:

Department of Justice – Forensics Professionals

Introduction to Forensic Drug Chemistry

Perspectives in Expert Testimony

Chemical Spot Test and Mechanism for Illicit Drugs

Evidence Analysis

Forensic Mass Spectrometry

Ethics in Forensic Science

Forensic Science 101: An Introduction

Transition to Leadership

Fundamentals of Forensic Questioned Documents

Fundamentals of Forensic Toxicology

Additional Trainings:

Good Laboratory Practice/Good Manufacturing Practice (GLP/GMP) training with Massachusetts Biologic Laboratory.

Quality Control/Quality Assurance (QC/QA) training according to FDA Codes and Regulations.

Gas Chromatography (GC) and Gas Chromatography/Mass Spectrometry (GC/MS) trainings with Agilent Technologies and Restek.

High Power Liquid Chromatography (HPLC) and HPLC/MS/MS trainings with Waters Cooperation.

Fourier Transform Infrared Spectroscopy (FTIR) training with Spectros and Spectum One.

Ultraviolet–Visible Spectroscopy (UV-Vis) training with Agilent Technologies and Beckman.

Total Organic Carbon Analyzer (TOC) training with MBL and Sievers.

Associations:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Nicole E. Medina

Education

Bachelor of Science, Chemistry (1995)
Emmanuel College, Boston, MA
Research Project: (1994)
In-Vivo Mapping of Cocaine Metabolites in Biological Fluids
Conducted at Massachusetts State Police Crime Lab, Toxicology Department

Employment

Chemist II State Laboratory Institute (March 2008-Present)
Massachusetts Department of Public Health
Drug Analysis Laboratory
➤ Responsible for the identification of substances and trafficking substances to determine violation of the Massachusetts drug laws
➤ Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
➤ Operate analytical instrumentation, microscopes and balances for forensic drug analysis

Chemist I State Laboratory Institute (2004-March 2008)
Massachusetts Department of Public Health
Drug Analysis Laboratory
➤ Responsible for the identification of substance to determine violation of the Massachusetts drug laws
➤ Operate analytical instrumentation, microscopes and balances for forensic drug analysis
➤ Successfully completed an eight week training in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
➤ Appointed assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

Research Associate (September 2001 – October 2004)
Wolfe Laboratories, Newton & Watertown, MA

Laboratory Technician (January 1996 - April 1997)
Gillette, Boston, MA

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
State Laboratory Institute

Boston Drug Laboratory
Tel (617) 983-6622
Fax (617) 983-6625

Boston Hours

8:00 – 11:00
2:00 – 4:00

Amherst Drug Laboratory
Tel (413) 545-2601
Fax (413) 545-2608

Amherst Hours

9:00 – 12:00
1:00 – 3:00

DRUG RECEIPT

City or Department: Boston Police Reference No.: [REDACTED]

Name and Rank of Submitting Officer: PO Sylv White 11069

Defendant(s) Name (last, first, initial):
[REDACTED]

To be completed by Submitter

Description of Items Submitted

To be completed by Lab Personnel

Gross Weight Lab Number

<u>5 pills</u>	<u>9.28 gm</u>	[REDACTED]
<u>5 pills</u>	<u>13.63 gm</u>	[REDACTED]
<u>4 pills</u>	<u>9.12 gm</u>	[REDACTED]
<u>39 pills</u>	<u>49.97 gm</u>	[REDACTED]
<u>ALL</u>		[REDACTED]
<u>RESUBMITTED TO BE TESTED</u>		[REDACTED]
		[REDACTED]
		[REDACTED]

Received by: AS Date: 7/13/11

The Commonwealth of Massachusetts
Executive Office of Health and Human Services

Department of Public Health
State Laboratory Institute

Boston Drug Laboratory
Tel (617) 983-6622
Fax (617) 983-6625

Boston Hours
8:00 – 11:00
2:00 – 4:00

Amherst Drug Laboratory
Tel (413) 545-2601
Fax (413) 545-2608

Amherst Hours
9:00 – 12:00
1:00 – 3:00

DRUG RECEIPT

City or Department: Boston Police Reference No.: [REDACTED]

Name and Rank of Submitting Officer: PO Sylva White 11064

Defendant(s) Name (last, first, initial):
[REDACTED]

To be completed by Submitter
Description of Items Submitted

To be completed by Lab Personnel
Gross Weight Lab Number

<u>5 pills</u>	<u>9.28 gm</u>	[REDACTED]
<u>5 pills</u>	<u>13.43 gm</u>	[REDACTED]
<u>4 pills</u>	<u>9.12 gm</u>	[REDACTED]
<u>39 pills</u>	<u>49.97 gm</u>	[REDACTED]
<u>441</u>		
<u>RESUBMITTED TO BE TESTED</u>		

Received by: AS Date: 7/13/11

Prelim: Clonidine
E

No. [REDACTED] Date Analyzed: 09/19/11
City: Boston D.C.U. Police Dept. [REDACTED]
Officer: P.O. SYBIL WHITE
Def: [REDACTED]
Amount: 39.0 Subst: TABS
No. Cont: 1 Cont: pb
Date Rec'd: 07/13/2011 No. Analyzed:
Gross Wt.: 49.97 Net Weight:
Tests: 1 ASO
• QLDEM

No. [REDACTED] Date Analyzed: 09/19/11
City: Boston D.C.U. Police Dept. [REDACTED]
Officer: P.O. SYBIL WHITE
Def: [REDACTED]
Amount: 5.0 Subst: TABS
No. Cont: 1 Cont: pb
Date Rec'd: 07/13/2011 No. Analyzed:
Gross Wt.: 9.28 Net Weight:
Tests: 1 ASO
• QLDEM

Prelim: Clonidine
E Findings: Clonidine

Findings: Gabapentin

No. [REDACTED] Date Analyzed: 09/19/11
City: Boston D.C.U. Police Dept. [REDACTED]
Officer: P.O. SYBIL WHITE
Def: [REDACTED]
Amount: 39.0 Subst: TABS
No. Cont: 1 Cont: pb
Date Rec'd: 07/13/2011 No. Analyzed:
Gross Wt.: 49.97 Net Weight:
Tests: 1 ASO
• QLDEM

No. [REDACTED] Date Analyzed: 09/19/11
City: Boston D.C.U. Police Dept. [REDACTED]
Officer: P.O. SYBIL WHITE
Def: [REDACTED]
Amount: 5.0 Subst: TABS
No. Cont: 1 Cont: pb
Date Rec'd: 07/13/2011 No. Analyzed:
Gross Wt.: 13.63 Net Weight:
Tests: 1 ASO
• QLDEM

Prelim: Gabapentin
E Findings: Gabapentin

No. [REDACTED] Date Analyzed: 09/19/11
City: Boston D.C.U. Police Dept. [REDACTED]
Officer: P.O. SYBIL WHITE
Def: [REDACTED]
Amount: 4.0 Subst: TABS
No. Cont: 1 Cont: pb
Date Rec'd: 07/13/2011 No. Analyzed:
Gross Wt.: 9.17 Net Weight:
Tests: 1 ASO
• QLDEM

Prelim: Clonidine
E Findings: Clonidine

DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY BostonANALYST ASG

No. of samples tested: _____

Evidence Wt. _____

PHYSICAL DESCRIPTION:5 white round tablets
17.195

Gross Wt (): _____

Gross Wt (): _____

Pkg. Wt: _____

Net Wt: 0.4595PRELIMINARY TESTSSpot TestsCobalt
Thiocyanate ()

Marquis _____

Froehde's _____

Mecke's _____

Microcrystalline TestsGold
Chloride _____

TLTA ()

OTHER TESTSMuromecin A(+)PRELIMINARY TEST RESULTSRESULTS clonidineDATE 08-31-11GC/MS CONFIRMATORY TESTRESULTS clonidineMS
OPERATOR nemDATE 9-19-11

Drug Information

DRUG NAME: CLONIDINE HYDROCHLORIDE

INGREDIENTS: CLONIDINE HYDROCHLORIDE -- 0.1 MG

Color: White

NDC: 51079-0299-62

Shape: Circle

51079-0299-19

00378-0152-01

Imprint: MYLAN 152

00378-0152-10

Form: Oral Tablet

51079-0299-01

Available-Container-Size: Strip of
90 , Strip of 25 , Bottle of 100 , Bottle of
1000 , Strip of 1 , Strip of 30 , Strip of
100

51079-0299-63

51079-0299-66

51079-0299-17

51079-0299-20

AAPCC Code: 201081 - Clonidine

Excipients: Ammonium
Chloride ; Silicon Dioxide,
Colloidal ; Croscarmellose Sodium (Type
A) ; Magnesium Stearate ; Cellulose,
Microcrystalline ; Sodium Lauryl Sulfate

Regulatory Status: RX

Availability: United States

Product ID: 5150133

Contact: Mylan Pharmaceuticals

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DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY Boston

ANALYST

AS9

No. of samples tested: _____

Evidence Wt: _____

PHYSICAL DESCRIPTION:

3 white oval tablets

17.05

Gross Wt (): _____

Gross Wt (): _____

Pkg. Wt: _____

Net Wt: 4.840484443600PRELIMINARY TESTSSpot TestsCobalt
Thiocyanate ()

Marquis _____

Froehde's _____

Mecke's _____

Microcrystalline TestsGold
Chloride _____

TLTA ()

OTHER TESTSMuromid A 1PPRELIMINARY TEST RESULTSRESULTS gabapentinDATE 08-31-11GC/MS CONFIRMATORY TESTRESULTS gabapentinMS
OPERATOR nemDATE 9-19-11

Drug Information

DRUG NAME: GABAPENTIN

INGREDIENTS: GABAPENTIN -- 600 MG

Color: White

NDC: 0093-4443-01

0093-4443-05

0172-4443-60

0172-4443-10

0172-4443-80

0172-4443-70

0093-4443-10

Shape: Oval

Excipients: Lactose

(Monohydrate) ; Cellulose,

Microcrystalline ; Polyethylene Glycol

Imprint: Hourglass 4443 600

Imprinted with a hourglass logo and
4443 on one side and 600 on the
reverse side. , 4443 Imprinted with a
hourglass logo and 4443 on one side
and 600 on the reverse side. , 600

Regulatory Status: RX

Form: Oral Tablet

Availability: United States

Available-Container-Size: Bottle of
100 , Strip of 100 , Bottle of 1000 , Bottle
of 500

Product ID: 6738342

AAPCC Code: 077730 - Other Types
of Anticonvulsant (Excluding
Barbiturates)

Contact: Teva Pharmaceuticals

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DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY BostonANALYST AS2

No. of samples tested: _____

Evidence Wt. _____

PHYSICAL DESCRIPTION:4 white round tablet
17.1pb

Gross Wt () : _____

Gross Wt () : _____

Pkg. Wt: _____

Net Wt: 0.3679PRELIMINARY TESTSSpot TestsCobalt
Thiocyanate ()

Marquis _____

Froehde's _____

Mecke's _____

Microcrystalline TestsGold
Chloride _____

TLTA () _____

OTHER TESTSMuromesc A PRELIMINARY TEST RESULTSRESULTS chlorideDATE 08-31-11GC/MS CONFIRMATORY TESTRESULTS chlorideMS
OPERATOR nemDATE 9-19-11

Drug Information

DRUG NAME: CLONIDINE HYDROCHLORIDE

INGREDIENTS: CLONIDINE HYDROCHLORIDE -- 0.1 MG

Color: White

NDC: 51079-0299-62

Shape: Circle

51079-0299-19

00378-0152-01

imprint: MYLAN 1

00378-0152-10
51070 0300 81

51079-0299-01
51079-0299-63

Available-Contains

51079-0299-66

90 , Strip of 25 , Bottle of 100 , Bottle of 1000 , Strip of 1 , Strip of 30 , Strip of 100

51079-0299-17

51079-0299-20

ponents: Ammon

AAPCC Code: 201081 - Clonidine

Excipients: Ammonium Chloride ; Silicon Dioxide, Colloidal ; Croscarmellose Sodium (Type A) ; Magnesium Stearate ; Cellulose, Microcrystalline ; Sodium Lauryl Sulfate

Regulatory Status: RX

Availability: United States

Product ID: 5150133

Contact: Mylan Pharmaceuticals

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DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST AS9

No. of samples tested: _____ Evidence Wt. _____

PHYSICAL DESCRIPTION: Gross Wt (): _____

39 white oval tablet
m-pb

605

844143

Gross Wt (): _____

Gross Wt (): _____

Pkg. Wt: _____

Net Wt: 87.9467

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate ()

Marquis _____

Froehde's _____

Mecke's _____

Microcrystalline Tests

Gold
Chloride _____

TLTA ()

OTHER TESTS

Muromics A1(+) _____

PRELIMINARY TEST RESULTS

RESULTS gabapentin

DATE 08-31-11

GC/MS CONFIRMATORY TEST

RESULTS gabapentin

MS
OPERATOR nem

DATE 9-19-11

Drug Information

DRUG NAME: GABAPENTIN

INGREDIENTS: GABAPENTIN -- 600 MG

Color: White

NDC: 0093-4443-01

Shape: Oval

0093-4443-05

0172-4443-60

Imprint: Hourglass 4443 600
Imprinted with a hourglass logo and
4443 on one side and 600 on the
reverse side. , 4443 Imprinted with a
hourglass logo and 4443 on one side
and 600 on the reverse side. , 600

0172-4443-10

0172-4443-80

0172-4443-70

0093-4443-10

Form: Oral Tablet

Excipients: Lactose

(Monohydrate) ; Cellulose,

Microcrystalline ; Polyethylene Glycol

Available-Container-Size: Bottle of
100 , Strip of 100 , Bottle of 1000 , Bottle
of 500

Regulatory Status: RX

AAPCC Code: 077730 - Other Types
of Anticonvulsant (Excluding
Barbiturates)

Availability: United States

Product ID: 6738342

Contact: Teva Pharmaceuticals

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Sequence Table (Front Injector):

Method and Injection Info Part:

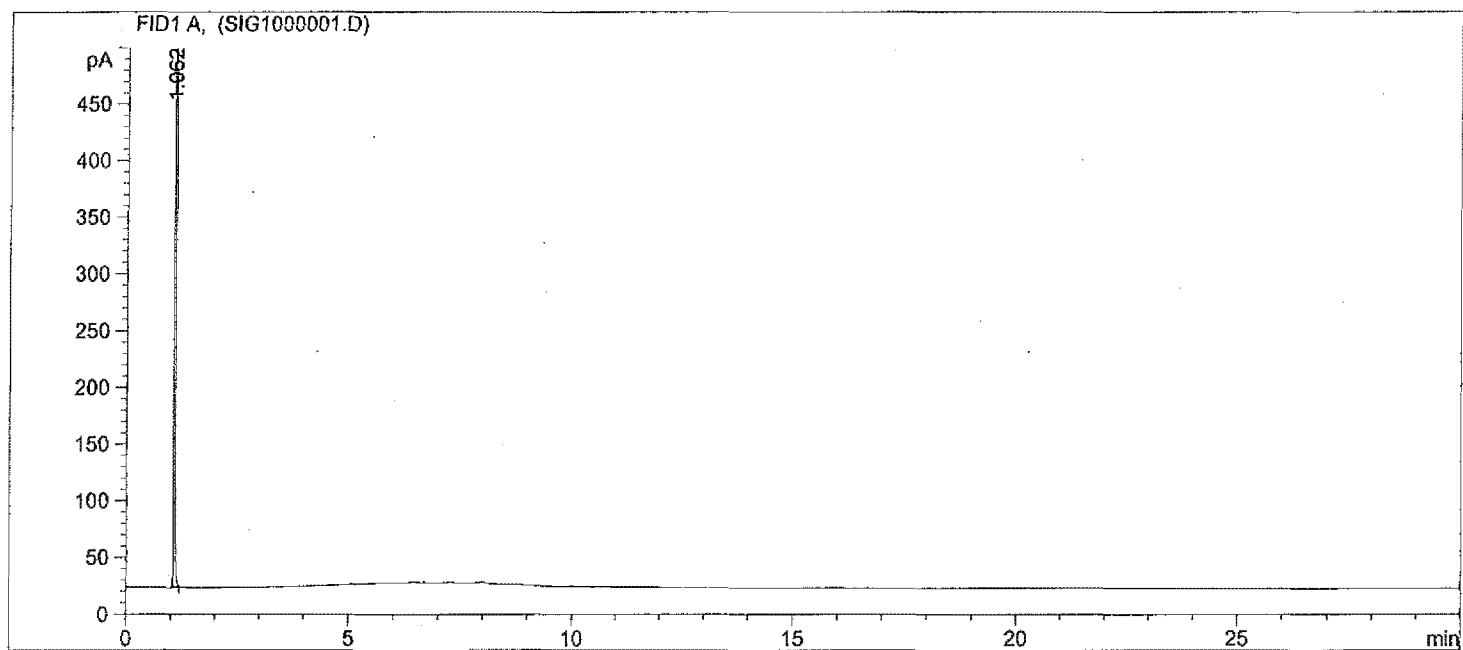
Line	Location	SampleName	Method	Inj	SampleType	InjVolume
		DataFile	LimsID			
1	Vial 1	Blank	GENSCAN	1	Sample	1.0
2	Vial 2	Coke/Codeine Std	GENSCAN	1	Sample	1.0
3	Vial 3	Blank	GENSCAN	1	Sample	1.0
4	Vial 4	[REDACTED]	GENSCAN	1	Sample	1.0
5	Vial 5	Blank	GENSCAN	1	Sample	1.0
6	Vial 6	[REDACTED]	GENSCAN	1	Sample	1.0
7	Vial 7	Blank	GENSCAN	1	Sample	1.0
8	Vial 8	[REDACTED]	GENSCAN	1	Sample	1.0
9	Vial 9	Blank	GENSCAN	1	Sample	1.0
10	Vial 10	[REDACTED]	GENSCAN	1	Sample	1.0
11	Vial 11	Blank	GENSCAN	1	Sample	1.0

Sequence Table (Back Injector):

No entries - empty table!

Sample Name: Blank

```
=====
Acq. Operator : ASD                               Seq. Line : 1
Acq. Instrument : DrugLab GC #2                Location : Vial 1
Injection Date : 8/31/2011 11:14:44 AM           Inj : 1
                                                Inj Volume : 1  $\mu$ l
Sequence File : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method : C:\CHEM32\1\METHODS\GENSCAN.M
Last changed : 3/9/2011 1:49:11 PM by ASD
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By : Retention Time
Multiplier: : 1.0000
Dilution: : 1.0000
Sample Amount: : 1.00000 [ng/ $\mu$ l] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

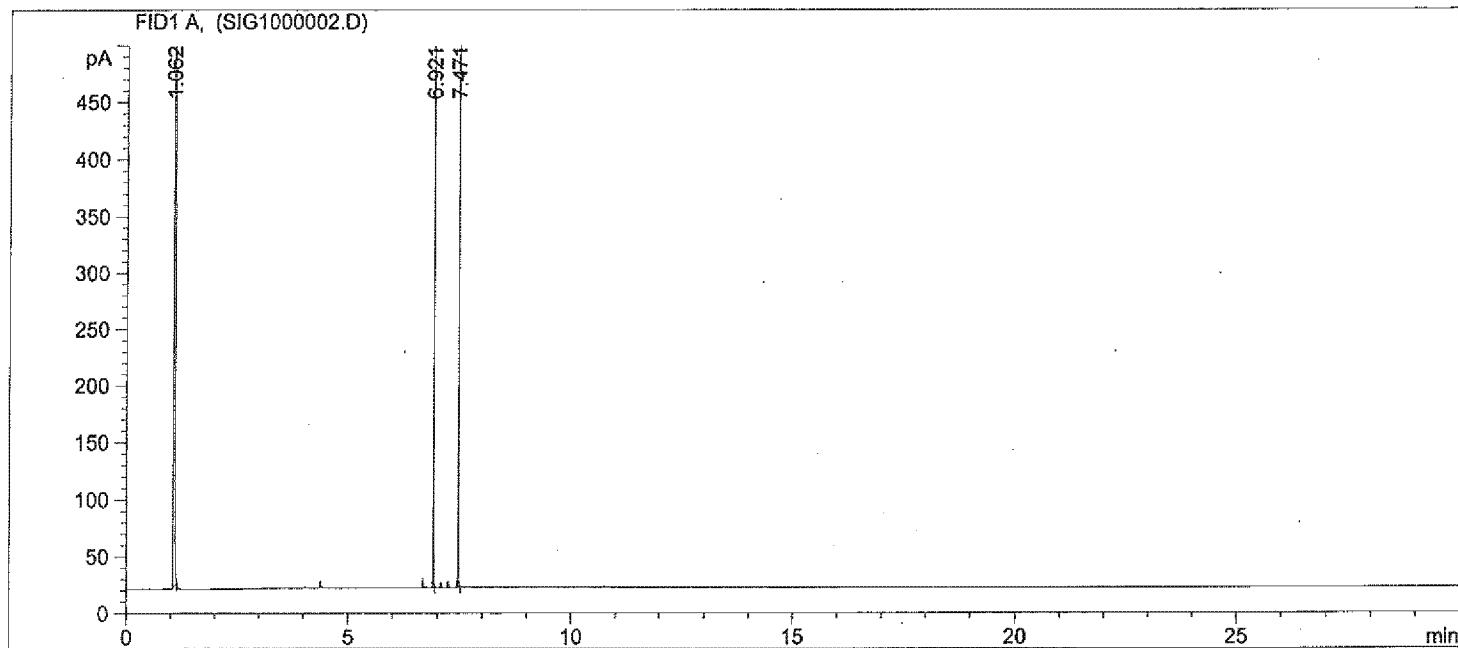
Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.062	1	BB S	5.72019e4	5.22043e4	1.000e2

Totals : 5.72019e4 5.22043e4

```
=====
*** End of Report ***
=====
```

Sample Name: Coke/Codeine Std

```
=====
Acq. Operator : ASD                               Seq. Line : 2
Acq. Instrument : DrugLab GC #2                 Location : Vial 2
Injection Date : 8/31/2011 11:49:27 AM           Inj : 1
                                                Inj Volume : 1  $\mu$ l
Sequence File : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method : C:\CHEM32\1\METHODS\GENSCAN.M
Last changed : 3/9/2011 1:49:11 PM by ASD
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By : Retention Time
Multiplier: : 1.0000
Dilution: : 1.0000
Sample Amount: : 1.00000 [ng/ $\mu$ l] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

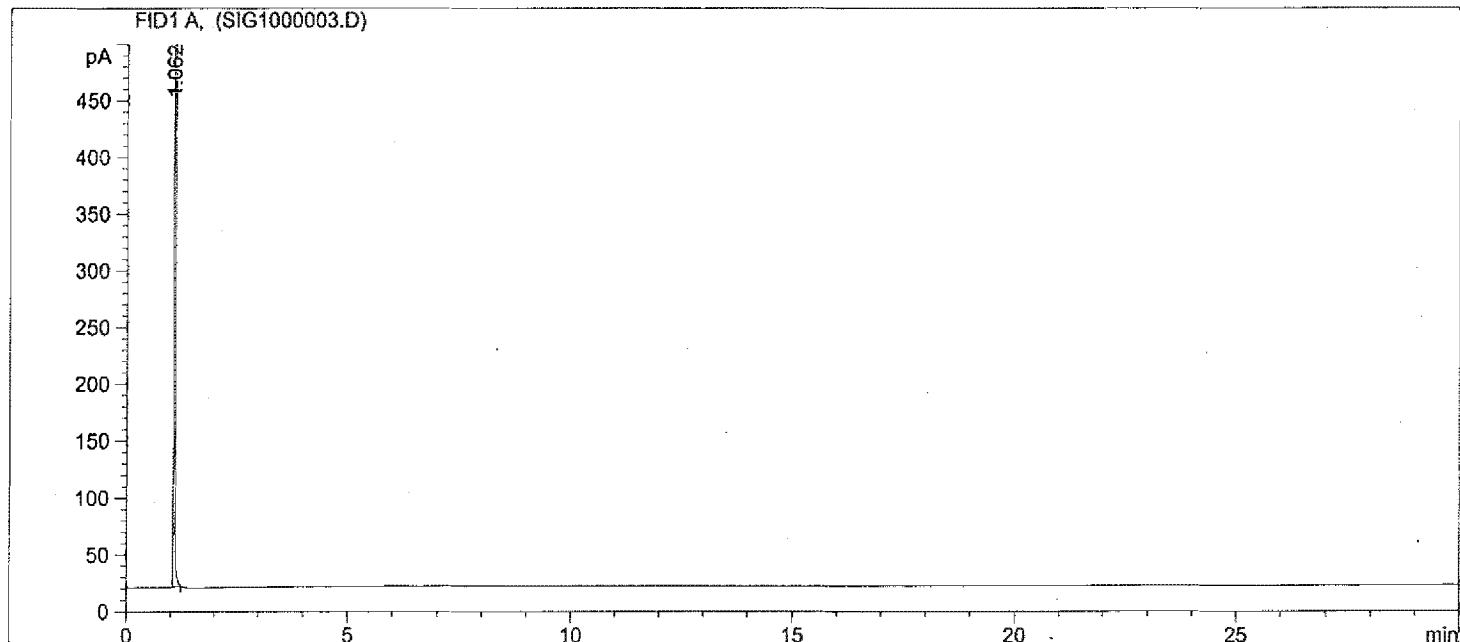
Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.062	1	BB S	5.77112e4	5.33250e4	98.66110
2	6.921	1	BB	403.30124	531.31085	0.68947
3	7.471	1	BB	379.88098	479.69025	0.64943

Totals : 5.84944e4 5.43360e4

```
=====
*** End of Report ***
=====
```

Sample Name: Blank

```
=====
Acq. Operator   : ASD                               Seq. Line : 3
Acq. Instrument : DrugLab GC #2                 Location : Vial 3
Injection Date  : 8/31/2011 12:24:17 PM           Inj : 1
                                                Inj Volume : 1  $\mu$ l
Sequence File   : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method          : C:\CHEM32\1\METHODS\GENSCAN.M
Last changed    : 3/9/2011 1:49:11 PM by ASD
=====
```



```
=====
          Area Percent Report
=====
```

```
Sorted By          : Retention Time
Multiplier:      : 1.0000
Dilution:        : 1.0000
Sample Amount:   : 1.000000 [ng/ $\mu$ l] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

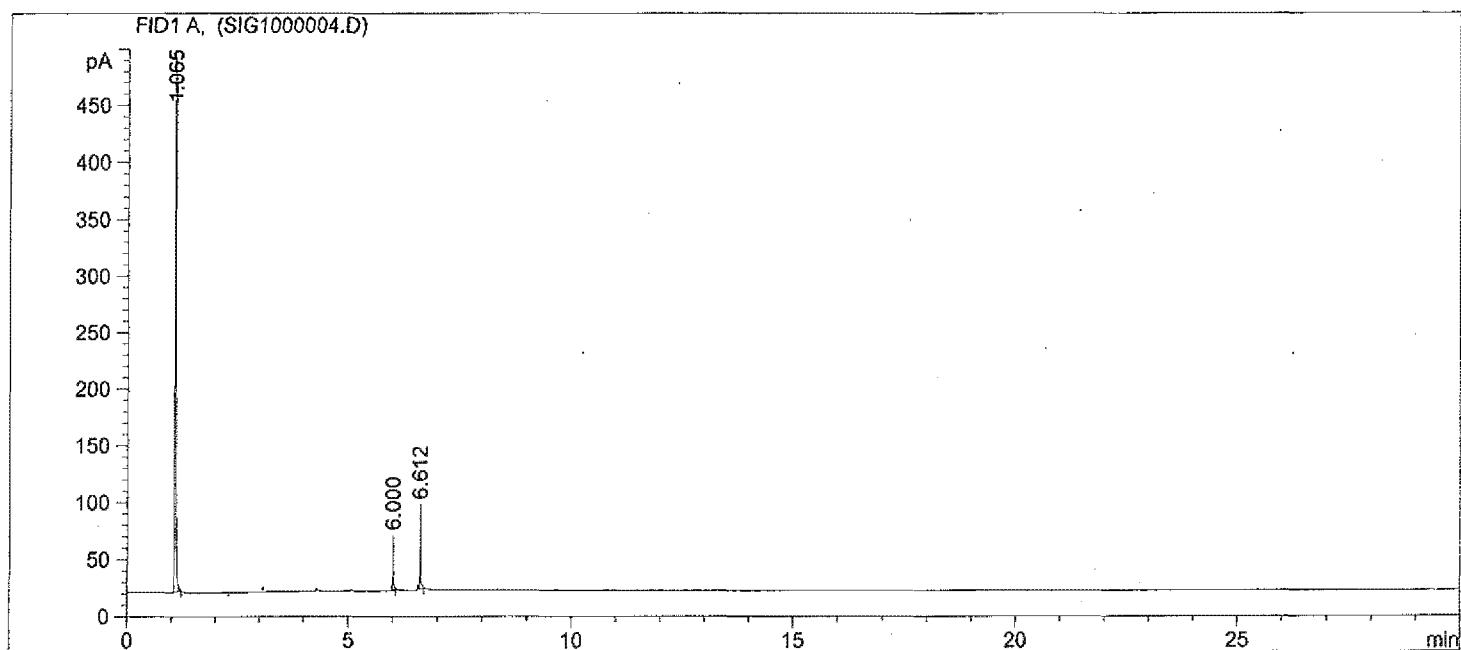
Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.062	1	BB S	5.89751e4	5.57284e4	1.000e2

Totals : 5.89751e4 5.57284e4

```
=====
          *** End of Report ***
=====
```

Sample Name: [REDACTED]

```
=====
Acq. Operator : ASD                               Seq. Line : 4
Acq. Instrument : DrugLab GC #2                 Location : Vial 4
Injection Date : 8/31/2011 12:59:06 PM           Inj : 1
                                                Inj Volume : 1  $\mu$ l
Sequence File : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method : C:\CHEM32\1\METHODS\GENSCAN.M
Last changed : 3/9/2011 1:49:11 PM by ASD
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By : Retention Time
Multiplier: : 1.0000
Dilution: : 1.0000
Sample Amount: : 1.00000 [ng/ $\mu$ l] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

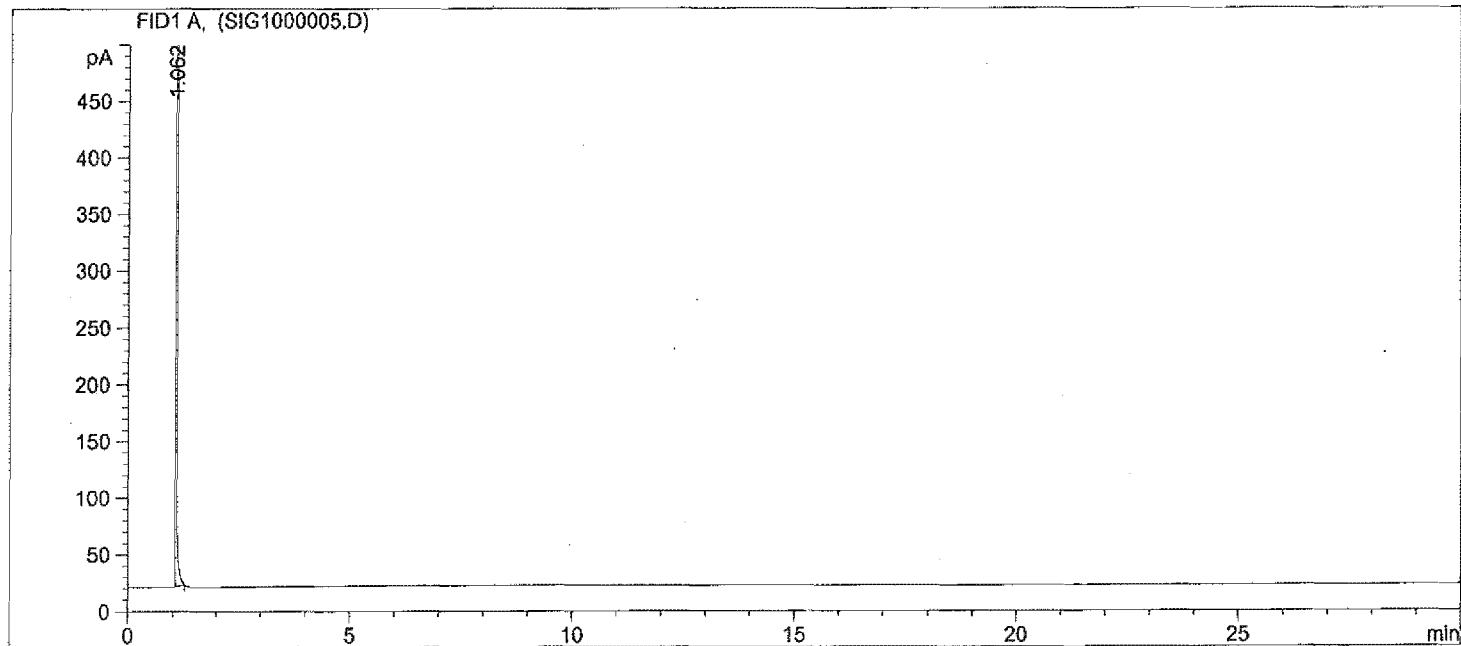
Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.065	1	BB S	4.62303e4	4.87146e4	99.71723
2	6.000	1	BB	54.34018	47.75171	0.11721
3	6.612	1	VB	76.75762	74.00050	0.16556

Totals : 4.63614e4 4.88363e4

```
=====
*** End of Report ***
=====
```

Sample Name: Blank

```
=====
Acq. Operator : ASD                               Seq. Line : 5
Acq. Instrument : DrugLab GC #2                Location : Vial 5
Injection Date : 8/31/2011 1:33:55 PM           Inj : 1
                                                Inj Volume : 1  $\mu$ l
Sequence File : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method : C:\CHEM32\1\METHODS\GENSCAN.M
Last changed : 3/9/2011 1:49:11 PM by ASD
=====
```



```
=====
                           Area Percent Report
=====
```

```
Sorted By : Retention Time
Multiplier: : 1.0000
Dilution: : 1.0000
Sample Amount: : 1.00000 [ng/ $\mu$ l] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

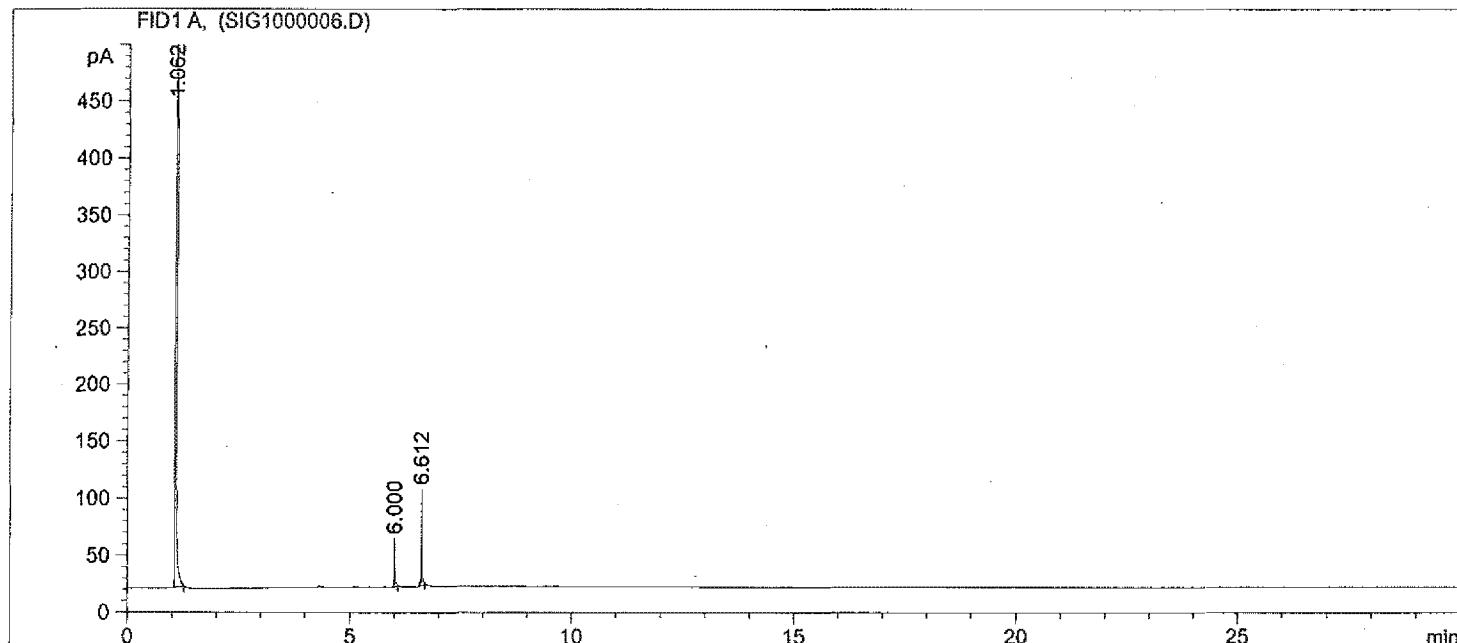
Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.062	1	BB S	5.98988e4	5.68185e4	1.000e2

Totals : 5.98988e4 5.68185e4

```
=====
*** End of Report ***
=====
```

Sample Name: [REDACTED]

```
=====
Acq. Operator : ASD                               Seq. Line : 6
Acq. Instrument : DrugLab GC #2                 Location : Vial 6
Injection Date : 8/31/2011 2:08:45 PM           Inj : 1
                                                Inj Volume : 1  $\mu$ l
Sequence File : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method : C:\CHEM32\1\METHODS\GENSCAN.M
Last changed : 3/9/2011 1:49:11 PM by ASD
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By : Retention Time
Multiplier: : 1.0000
Dilution: : 1.0000
Sample Amount: : 1.00000 [ng/ $\mu$ l] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

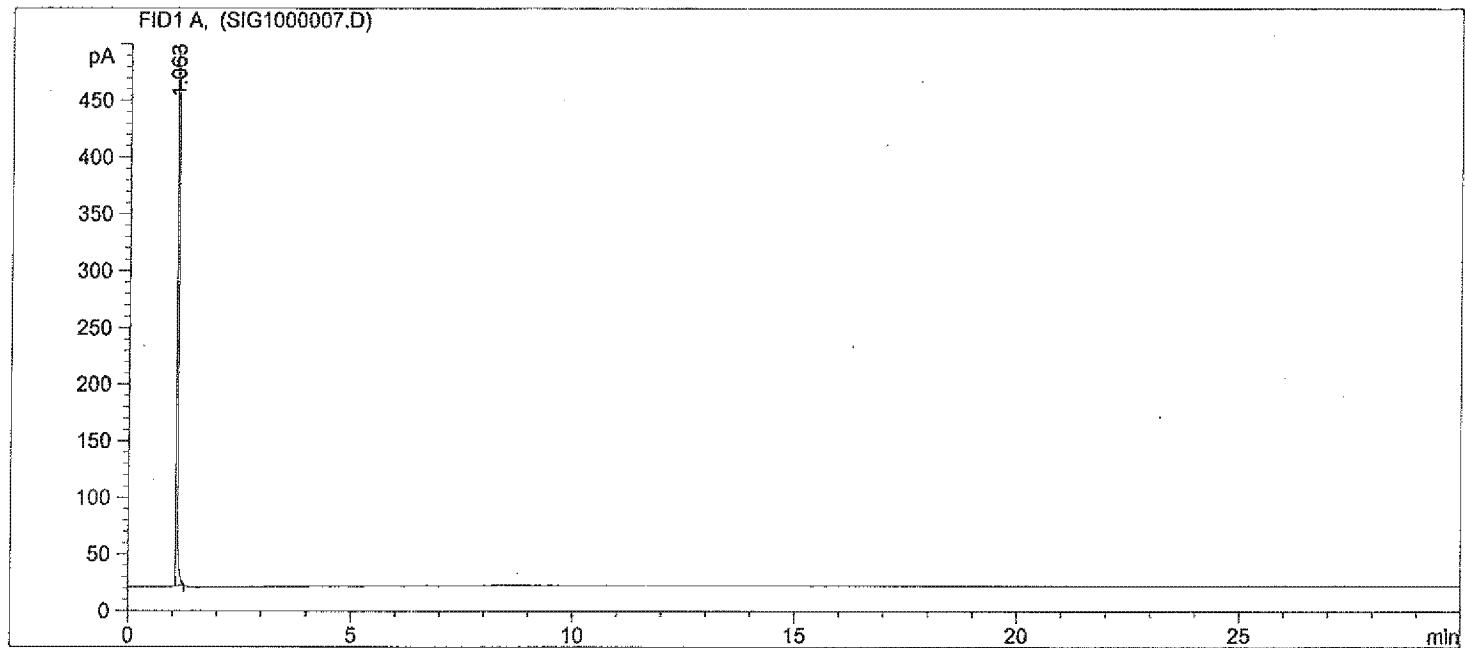
Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.062	1	BB S	5.63668e4	5.57624e4	99.76234
2	6.000	1	BB	51.89137	41.00683	0.09184
3	6.612	1	VB	82.39043	83.23665	0.14582

Totals : 5.65011e4 5.58867e4

```
=====
*** End of Report ***
=====
```

Sample Name: Blank

```
=====
Acq. Operator   : ASD                               Seq. Line : 7
Acq. Instrument : DrugLab GC #2                 Location : Vial 7
Injection Date  : 8/31/2011 2:43:35 PM           Inj : 1
                                                Inj Volume : 1  $\mu$ l
Sequence File   : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method          : C:\CHEM32\1\METHODS\GENSCAN.M
Last changed    : 3/9/2011 1:49:11 PM by ASD
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By          : Retention Time
Multiplier:      : 1.0000
Dilution:        : 1.0000
Sample Amount:   : 1.00000 [ng/ $\mu$ l] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

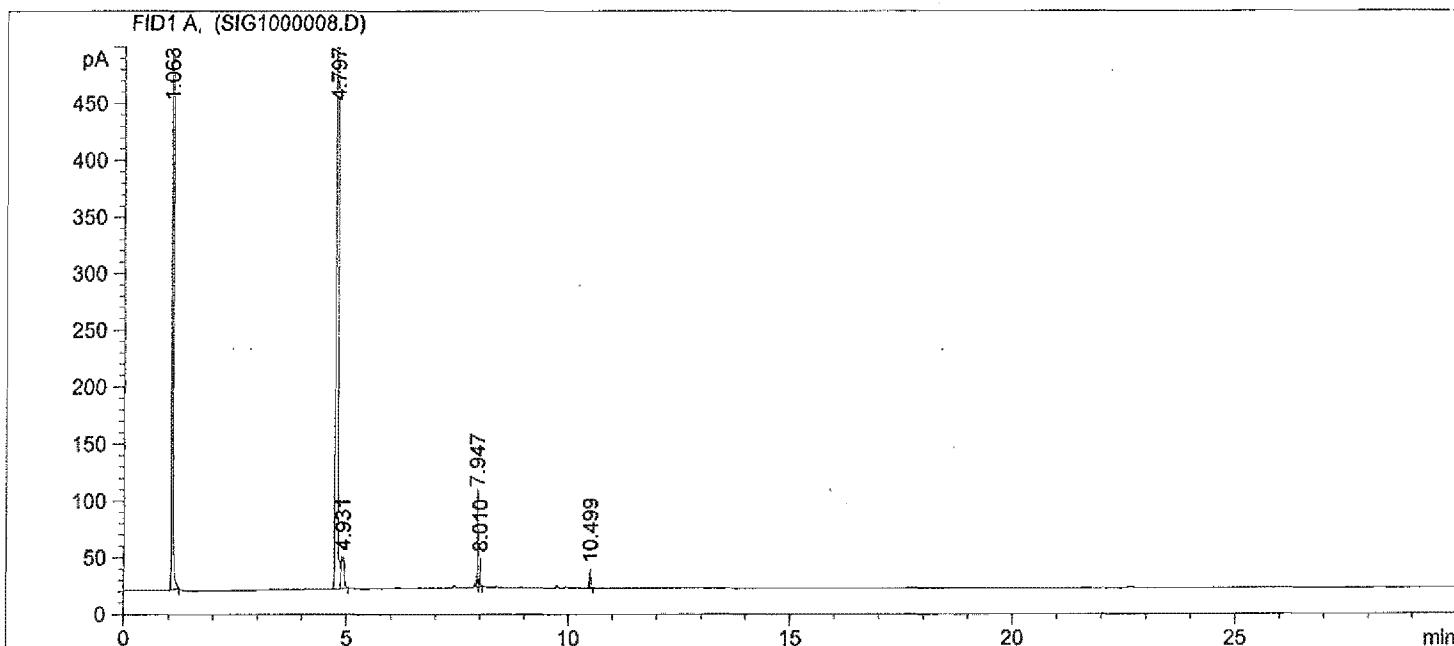
Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.063	1	BB S	6.31883e4	5.75707e4	1.000e2

Totals : 6.31883e4 5.75707e4

```
=====
*** End of Report ***
=====
```

Sample Name: [REDACTED]

```
=====
Acq. Operator : ASD           Seq. Line : 8
Acq. Instrument : DrugLab GC #2   Location : Vial 8
Injection Date : 8/31/2011 3:18:24 PM   Inj : 1
                                         Inj Volume : 1  $\mu$ l
Sequence File : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method : C:\CHEM32\1\METHODS\GENSCAN.M
Last changed : 3/9/2011 1:49:11 PM by ASD
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By : Retention Time
Multiplier: : 1.0000
Dilution: : 1.0000
Sample Amount: : 1.00000 [ng/ $\mu$ l] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

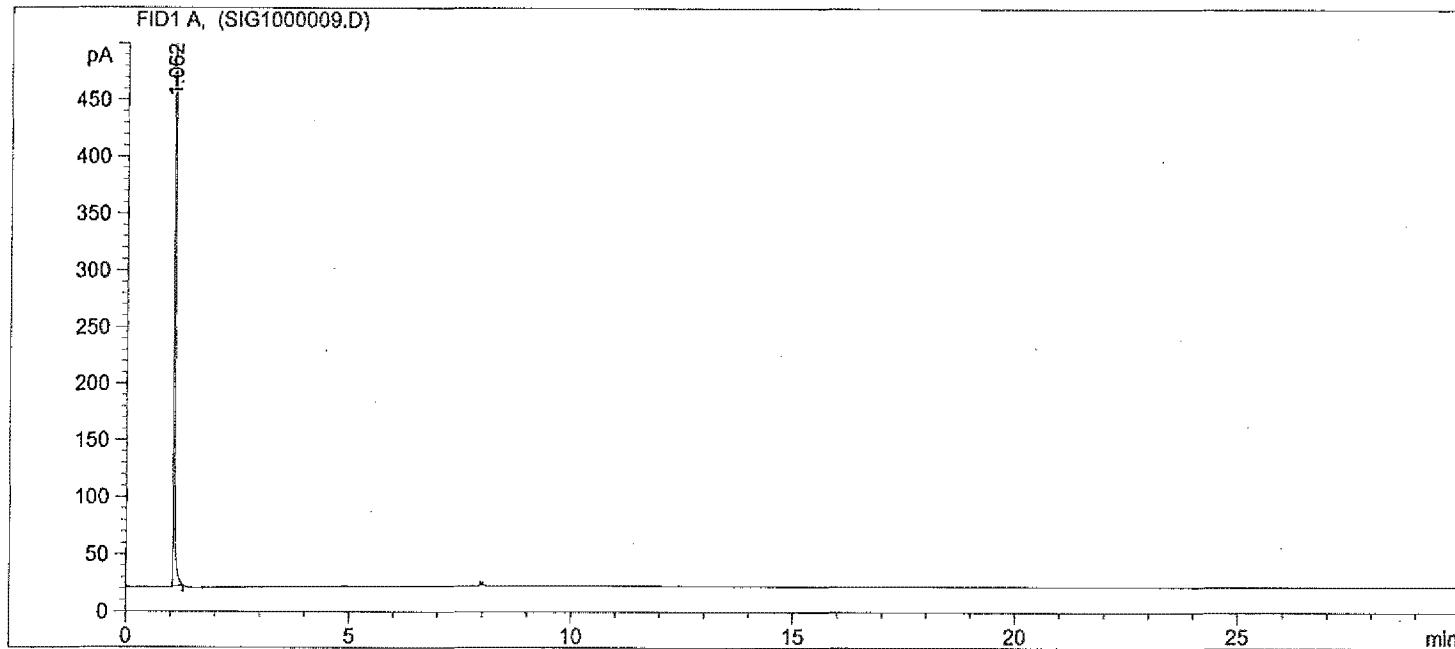
Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.063	1	BB S	5.81392e4	5.89850e4	94.68585
2	4.797	1	BB	2998.32910	1039.57239	4.88309
3	4.931	1	BB	126.71463	28.22244	0.20637
4	7.947	1	VB	74.62600	83.73415	0.12154
5	8.010	1	BB	28.25889	25.39233	0.04602
6	10.499	1	BB	35.08017	16.88823	0.05713

Totals : 6.14022e4 6.01788e4

```
=====
*** End of Report ***
=====
```

Sample Name: Blank

```
=====
Acq. Operator : ASD                               Seq. Line : 9
Acq. Instrument : DrugLab GC #2                Location : Vial 9
Injection Date : 8/31/2011 3:53:13 PM           Inj : 1
                                                Inj Volume : 1  $\mu$ l
Sequence File : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method : C:\CHEM32\1\METHODS\GENSCAN.M
Last changed : 3/9/2011 1:49:11 PM by ASD
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By : Retention Time
Multiplier: : 1.0000
Dilution: : 1.0000
Sample Amount: : 1.00000 [ng/ $\mu$ l] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

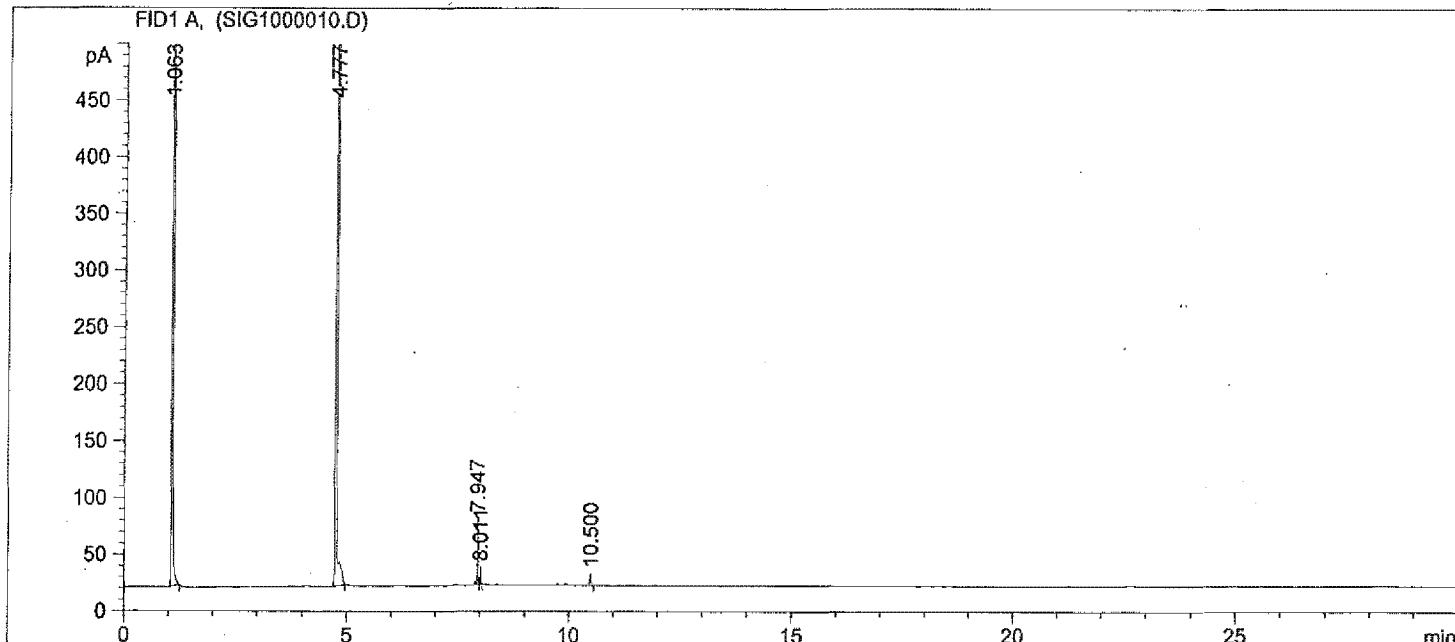
Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.062	1	BB S	5.46462e4	5.82483e4	1.000e2

Totals : 5.46462e4 5.82483e4

```
=====
*** End of Report ***
=====
```

Sample Name: [REDACTED]

```
=====
Acq. Operator : ASD                               Seq. Line : 10
Acq. Instrument : DrugLab GC #2                 Location : Vial 10
Injection Date : 8/31/2011 4:28:03 PM           Inj : 1
                                                Inj Volume : 1  $\mu$ l
Sequence File : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method : C:\CHEM32\1\METHODS\GENSCAN.M
Last changed : 3/9/2011 1:49:11 PM by ASD
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By : Retention Time
Multiplier: : 1.0000
Dilution: : 1.0000
Sample Amount: : 1.00000 [ng/ $\mu$ l] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

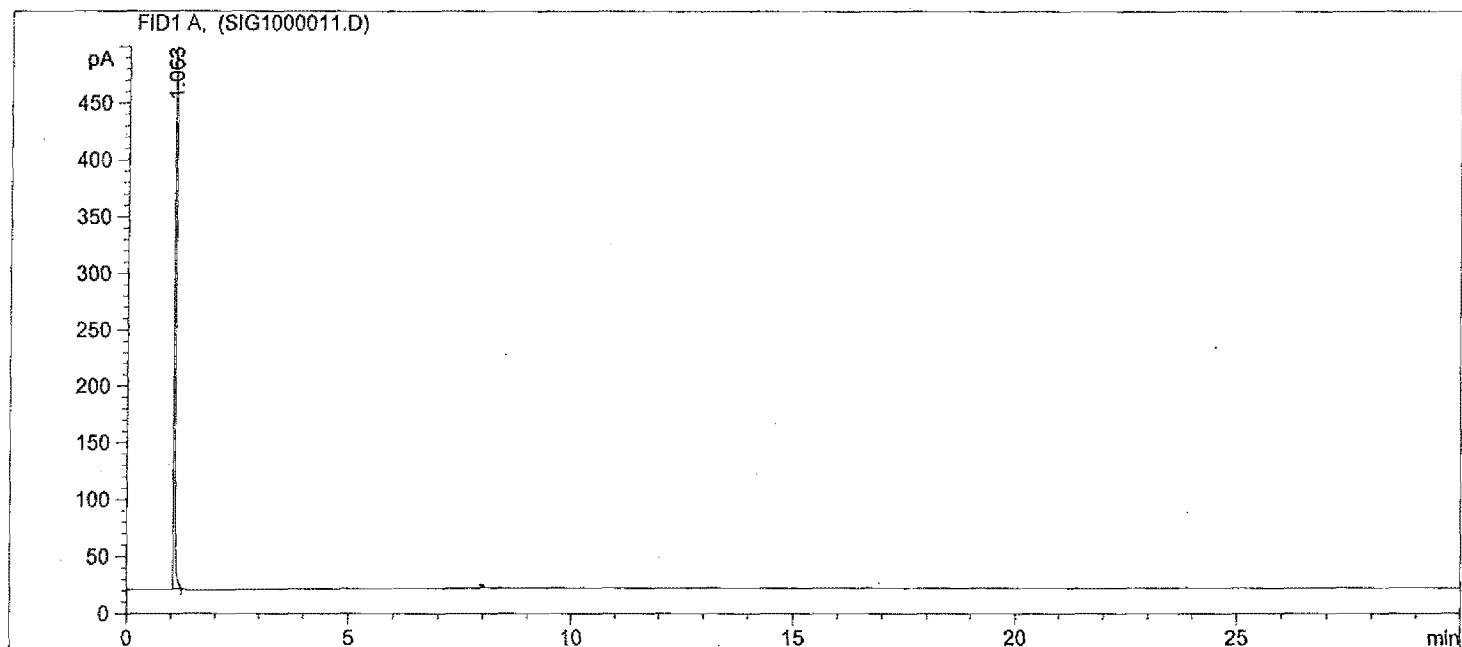
Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.063	1	BB S	5.86294e4	5.89250e4	96.91959
2	4.777	1	BB	1768.78735	786.53101	2.92396
3	7.947	1	VB	55.12289	58.79731	0.09112
4	8.011	1	BB	16.27322	15.07630	0.02690
5	10.500	1	BB	23.24638	10.56067	0.03843

Totals : 6.04928e4 5.97959e4

```
=====
*** End of Report ***
=====
```

Sample Name: Blank

```
=====
Acq. Operator   : ASD           Seq. Line : 11
Acq. Instrument : DrugLab GC #2   Location : Vial 11
Injection Date  : 8/31/2011 5:02:53 PM   Inj : 1
                                         Inj Volume : 1  $\mu$ l
Sequence File   : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method          : C:\CHEM32\1\METHODS\GENSCAN.M
Last changed    : 3/9/2011 1:49:11 PM by ASD
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By          : Retention Time
Multiplier:       : 1.0000
Dilution:         : 1.0000
Sample Amount:    : 1.00000 [ng/ $\mu$ l] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.063	1	BB S	5.77777e4	5.95097e4	1.000e2

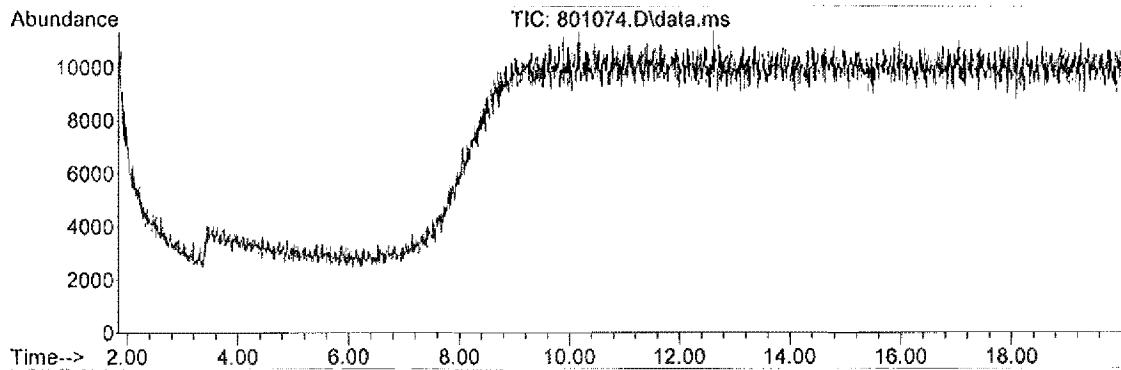
Totals : 5.77777e4 5.95097e4

```
=====
*** End of Report ***
=====
```

✓
NEM
01-20-12

Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801074.D
Operator : NEM
Date Acquired : 15 Sep 2011 6:58
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: GENSCN.M
Integrator : RTE

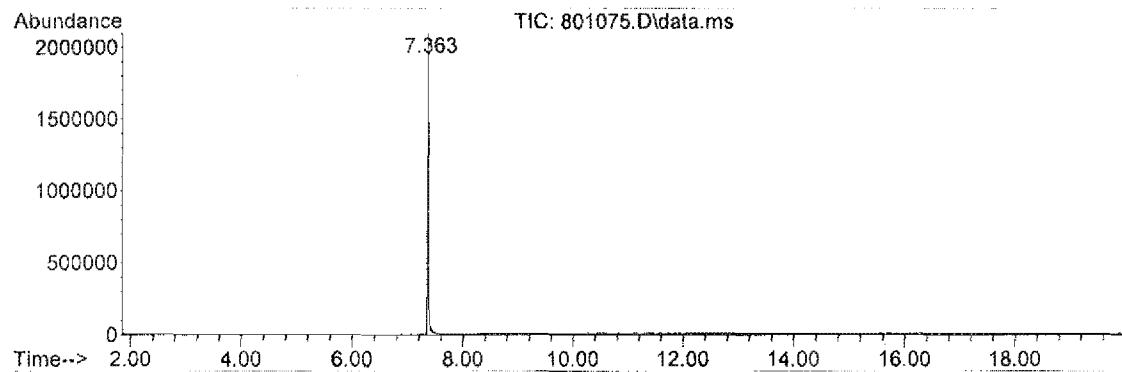


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

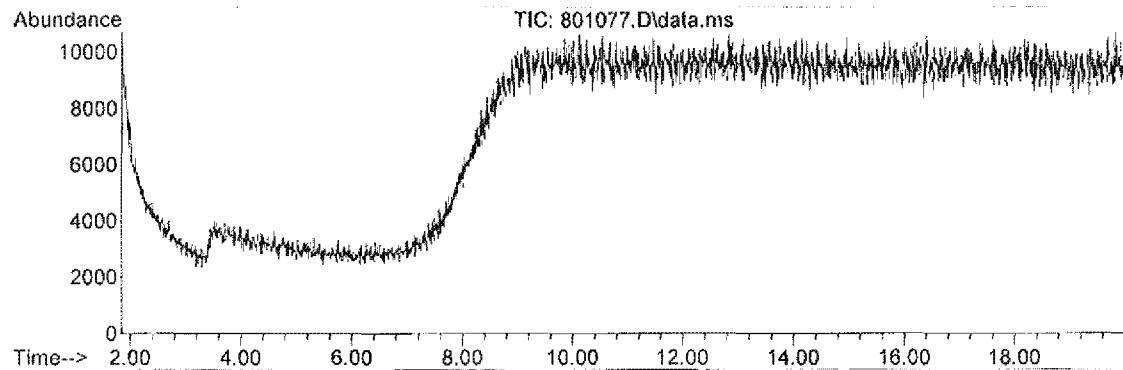
File Name : F:\Q3-2011\System7\09_14_11\801075.D
Operator : NEM
Date Acquired : 15 Sep 2011 7:22
Sample Name : CLONIDINE STD PREP 9-9-2011
Submitted by :
Vial Number : 75
AcquisitionMeth: GENSCN.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
7.363	2592278	100.00	100.00

Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801077.D
Operator : NEM
Date Acquired : 15 Sep 2011 8:10
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: GENSCN.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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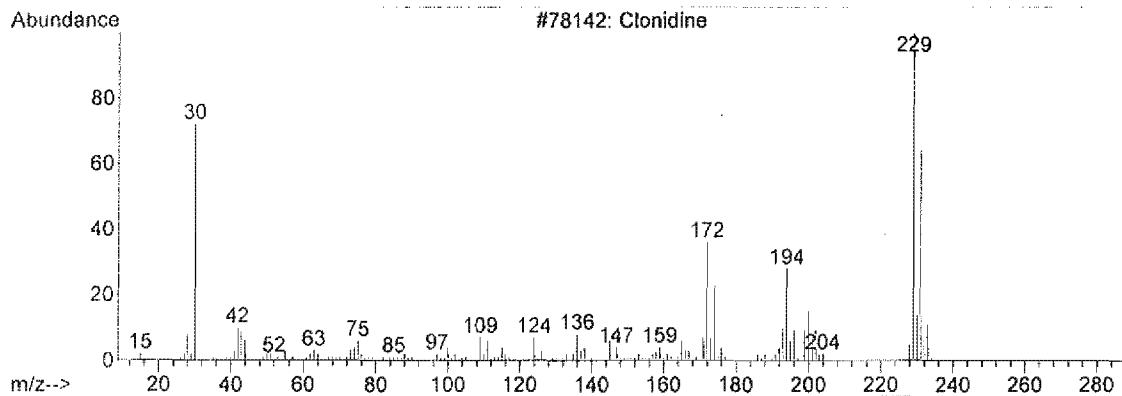
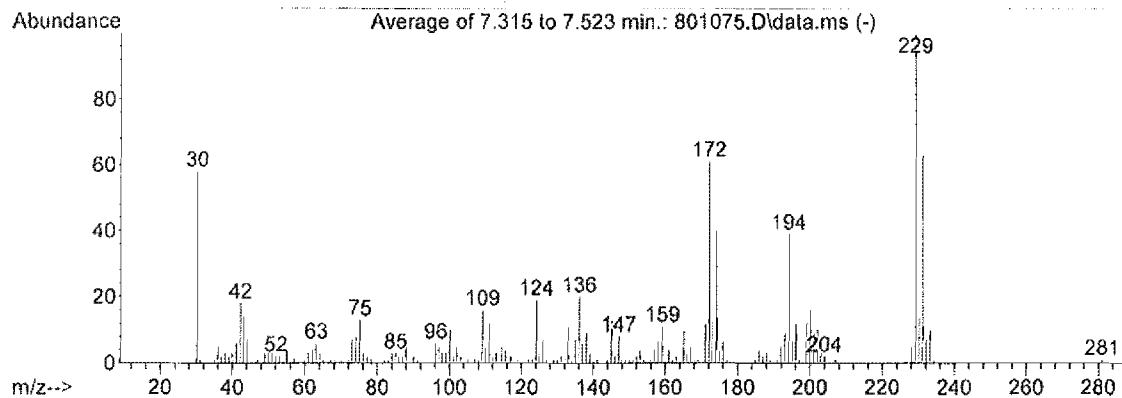
NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801075.D
 Operator : NEM
 Date Acquired : 15 Sep 2011 7:22
 Sample Name : CLONIDINE STD PREP 9-9-2011
 Submitted by :
 Vial Number : 75
 AcquisitionMeth: GENSCN.M
 Integrator : RTE

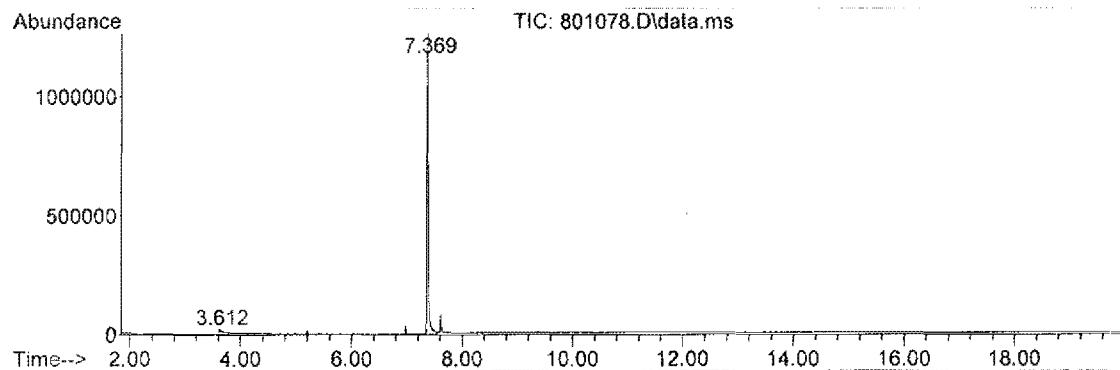
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST05a.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	7.36	C:\Database\NIST05a.L		
		Clonidine	004205-90-7	98
		Clonidine	004205-90-7	94
		Clonidine	004205-90-7	91



Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801078.D
Operator : NEM
Date Acquired : 15 Sep 2011 8:33
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 78
AcquisitionMeth: GENSCN.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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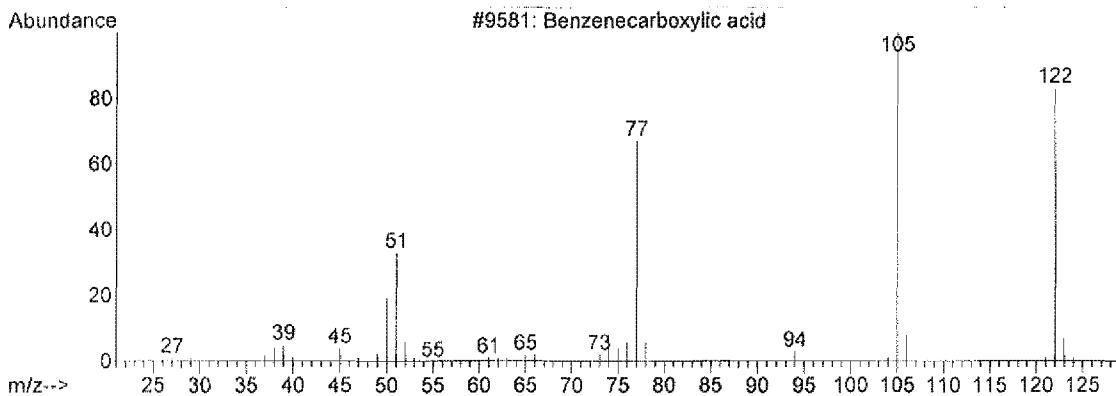
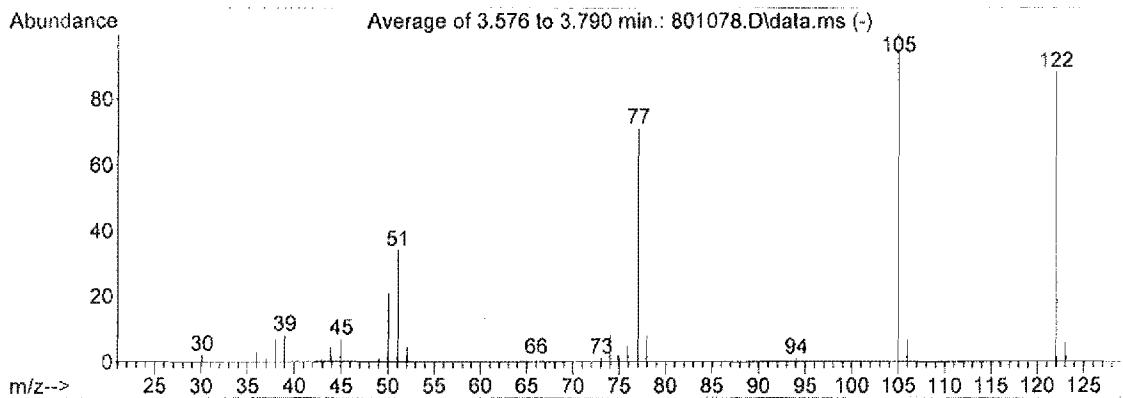
3.612	112535	4.49	4.70
7.369	2392946	95.51	100.00

Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801078.D
 Operator : NEM
 Date Acquired : 15 Sep 2011 8:33
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 78
 AcquisitionMeth: GENSCN.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST05a.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.61	C:\Database\NIST05a.L		
		Benzene carboxylic acid	000065-85-0	91
		Benzene carboxylic acid	000065-85-0	91
		Heptanediamide, N,N'-di-benzoyloxy-	1000253-26-4	83



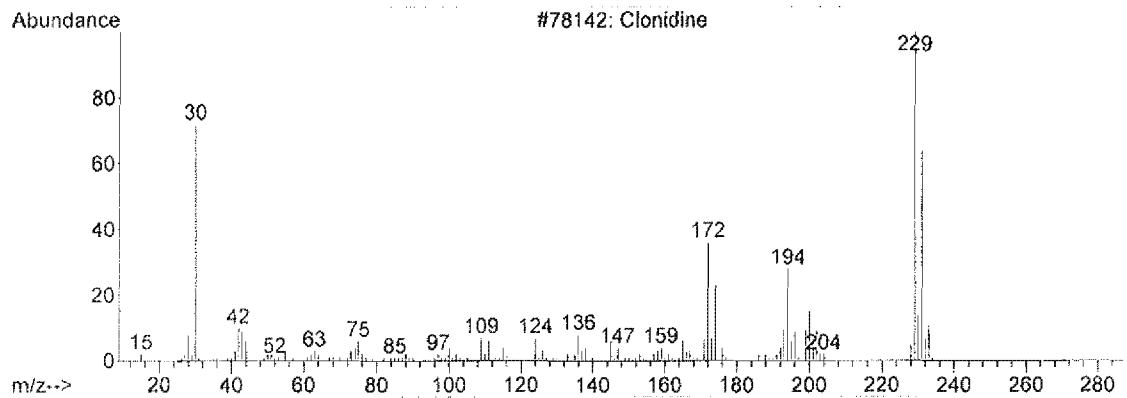
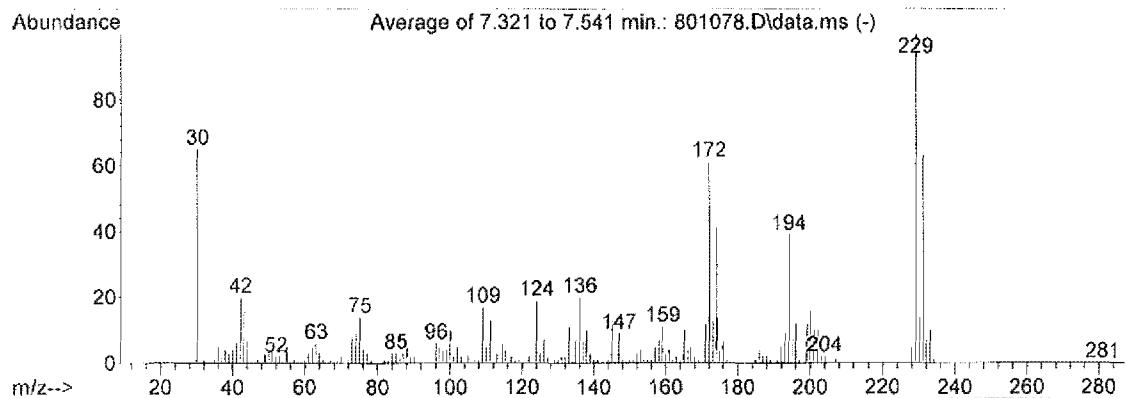
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801078.D
 Operator : NEM
 Date Acquired : 15 Sep 2011 8:33
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 78
 AcquisitionMeth: GENSCN.M
 Integrator : RTE

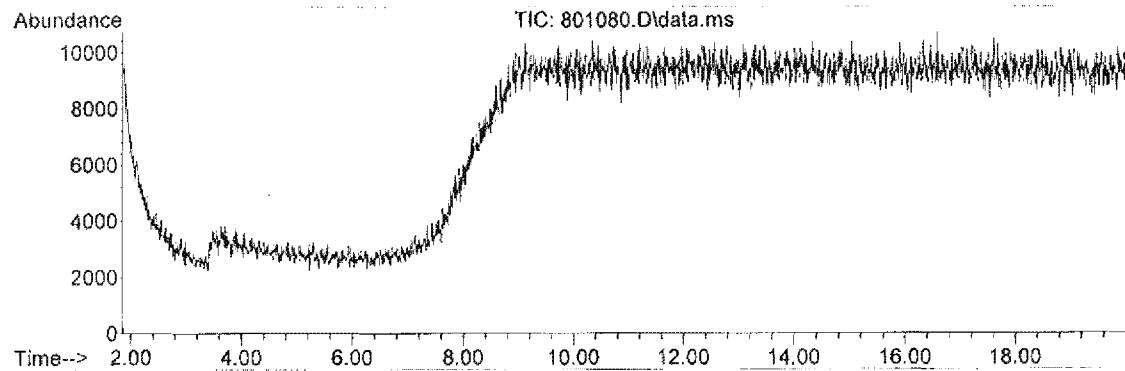
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST05a.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	7.37	C:\Database\NIST05a.L		
		Clonidine	004205-90-7	98
		Clonidine	004205-90-7	95
		Clonidine	004205-90-7	78



Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801080.D
Operator : NEM
Date Acquired : 15 Sep 2011 9:21
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: GENSCN.M
Integrator : RTE

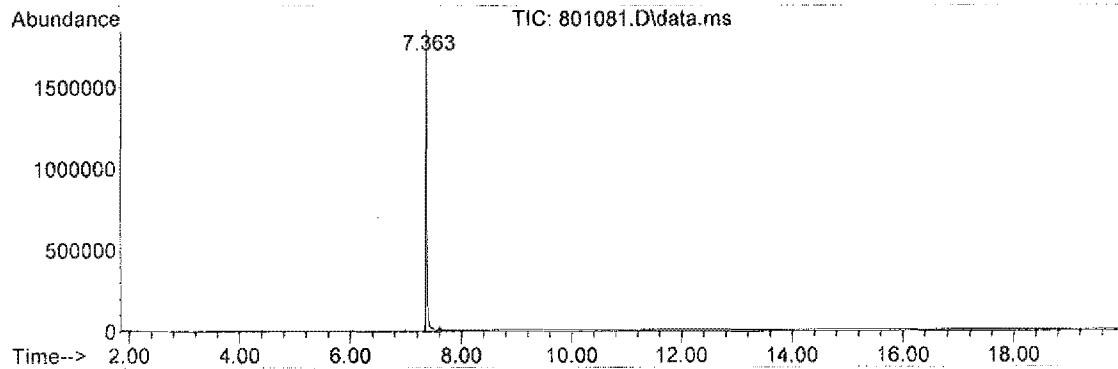


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801081.D
Operator : NEM
Date Acquired : 15 Sep 2011 9:45
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 81
AcquisitionMeth: GENSCN.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
7.363	2752900	100.00	100.00

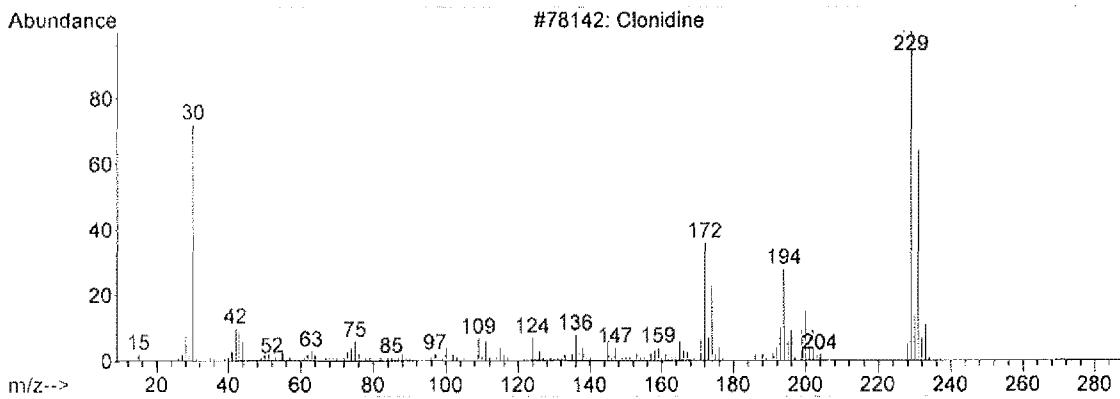
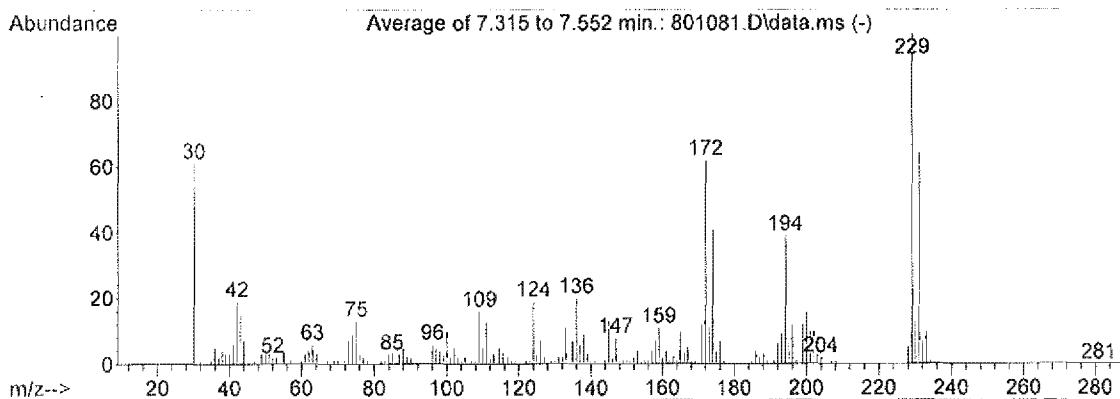
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801081.D
Operator : NEM
Date Acquired : 15 Sep 2011 9:45
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 81
AcquisitionMeth: GENSCN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

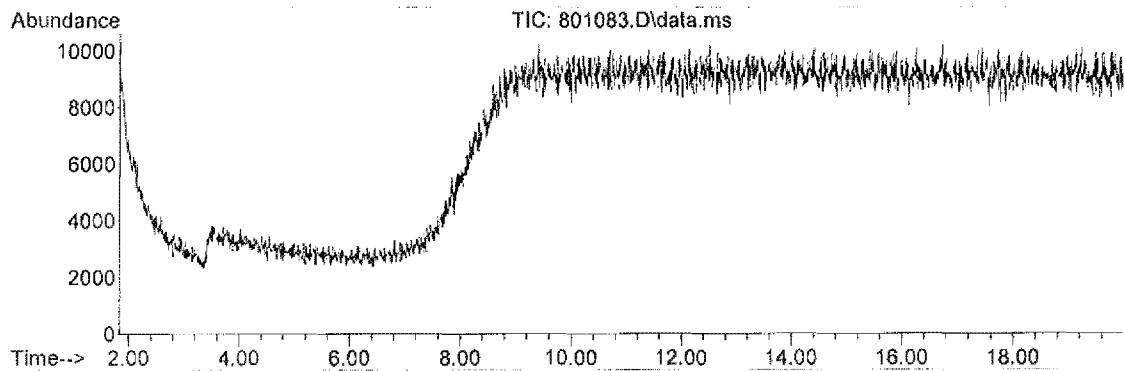
PK#	RT	Library/ID	CAS#	Qual
1	7.36	C:\Database\NIST05a.L		
		Clonidine	004205-90-7	98
		Clonidine	004205-90-7	91
		Clonidine	004205-90-7	78



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801083.D
Operator : NEM
Date Acquired : 15 Sep 2011 10:33
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: GENSCN.M
Integrator : RTE



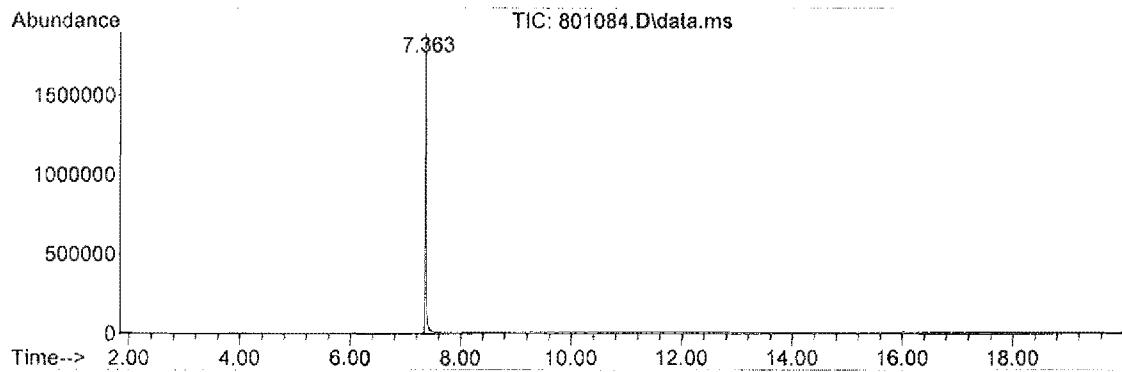
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801084.D
Operator : NEM
Date Acquired : 15 Sep 2011 10:57
Sample Name : CLONIDINE STD PREP 9-9-2011
Submitted by :
Vial Number : 75
AcquisitionMeth: GENSCN.M
Integrator : RTE



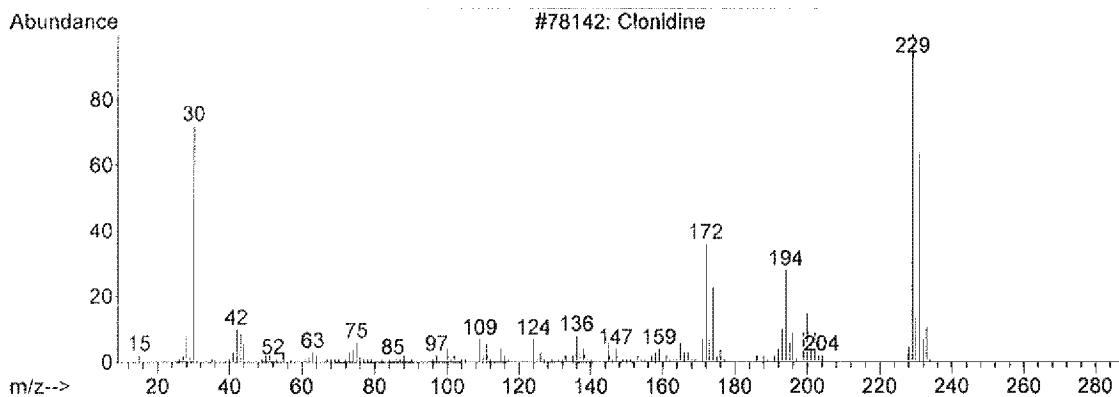
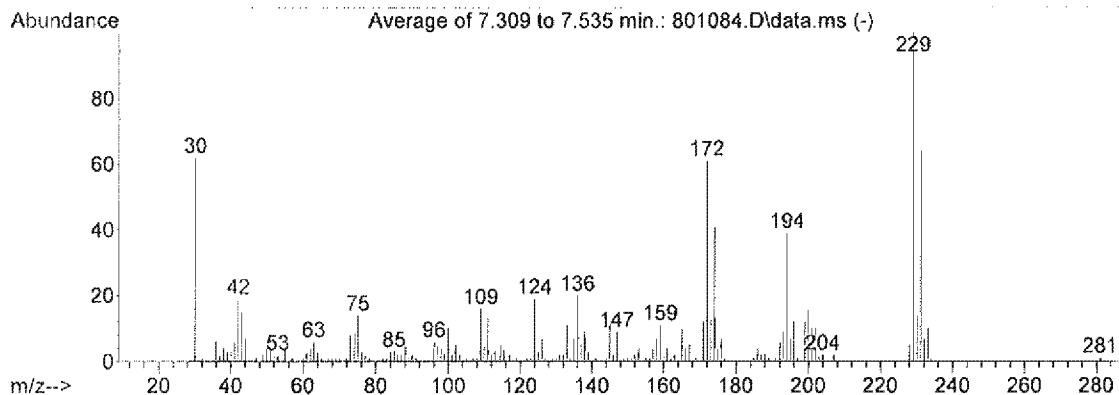
Ret. Time	Area	Area %	Ratio %
7.363	2312206	100.00	100.00

Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801084.D
Operator : NEM
Date Acquired : 15 Sep 2011 10:57
Sample Name : CLONIDINE STD PREP 9-9-2011
Submitted by :
Vial Number : 75
AcquisitionMeth: GENSCN.M
Integrator : RTE

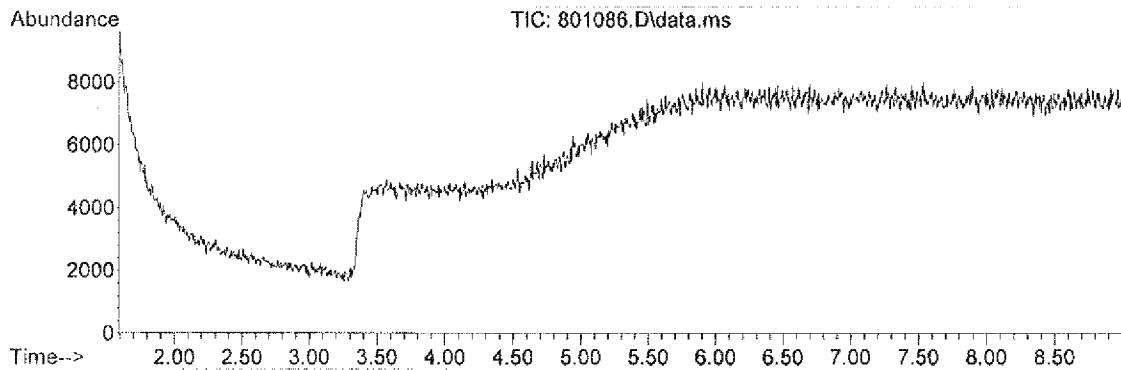
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	7.36	C:\Database\NIST05a.L		
		Clonidine	004205-90-7	98
		Clonidine	004205-90-7	90
		Clonidine	004205-90-7	78



Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801086.D
Operator : NEM
Date Acquired : 15 Sep 2011 11:43
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: MDMA.M
Integrator : RTE

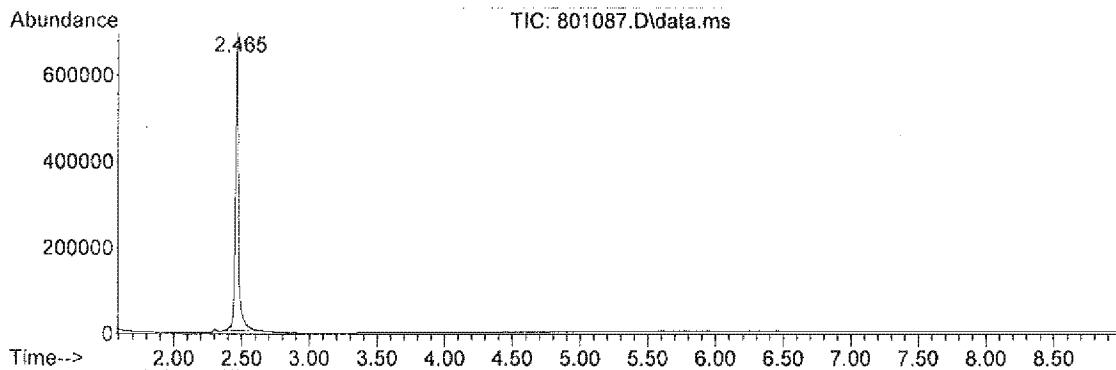


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801087.D
Operator : NEM
Date Acquired : 15 Sep 2011 13:11
Sample Name : GABAPENTIN STD
Submitted by :
Vial Number : 87
AcquisitionMeth: MDMA.M
Integrator : RTE



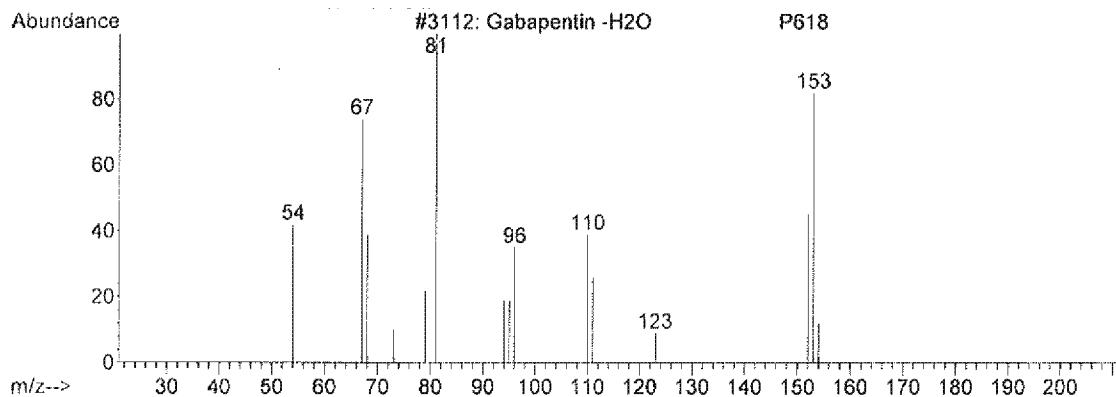
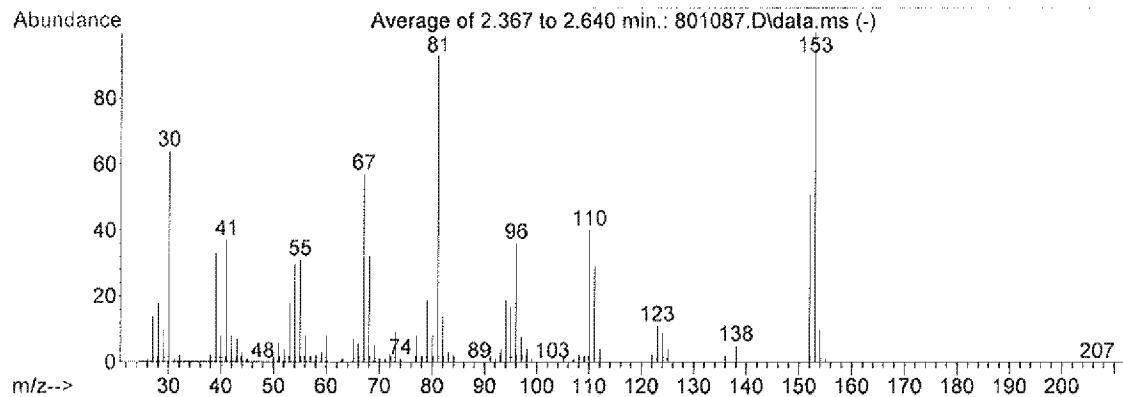
Ret. Time	Area	Area %	Ratio %
2.465	1106473	100.00	100.00

Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801087.D
 Operator : NEM
 Date Acquired : 15 Sep 2011 13:11
 Sample Name : GABAPENTIN STD
 Submitted by :
 Vial Number : 87
 AcquisitionMeth: MDMA.M
 Integrator : RTE

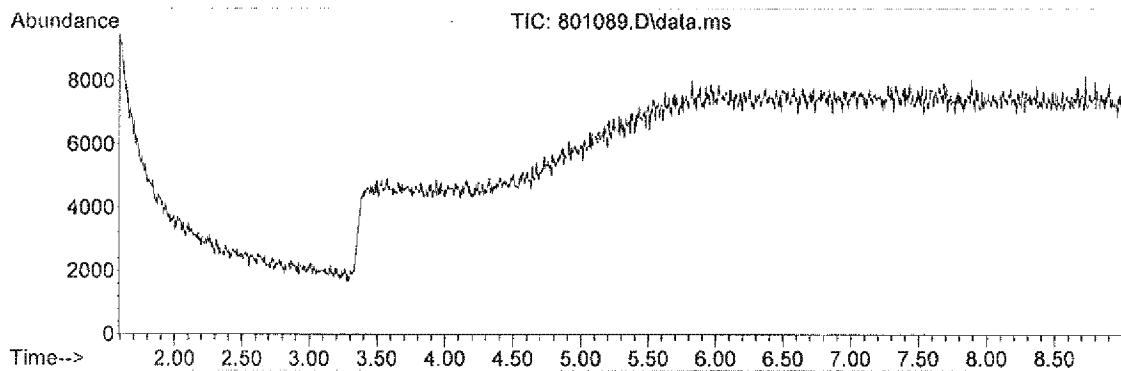
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST05a.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.47	C:\Database\PMW_TOX2.L		
		Gabapentin -H2O	000000-00-0	97
		Lenacil	002164-08-1	12
		Chlormezanone	000080-77-3	2



Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801089.D
Operator : NEM
Date Acquired : 15 Sep 2011 13:34
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: MDMA.M
Integrator : RTE

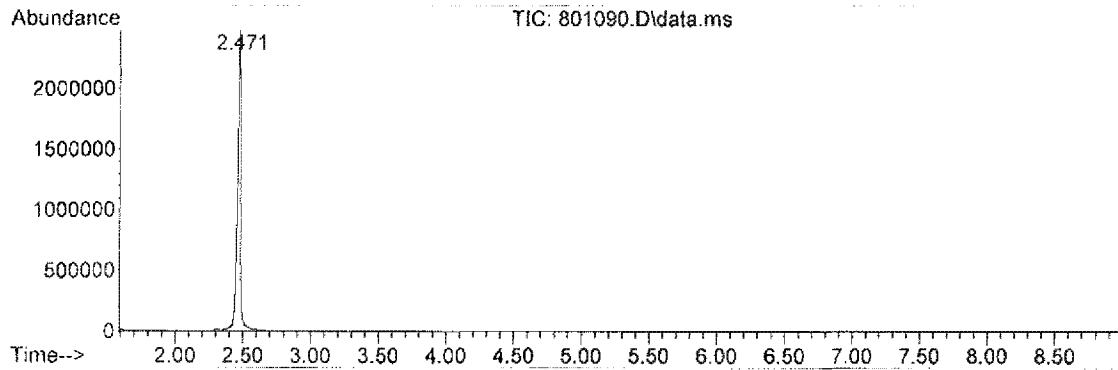


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801090.D
Operator : NEM
Date Acquired : 15 Sep 2011 13:45
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 90
AcquisitionMeth: MDMA.M
Integrator : RTE



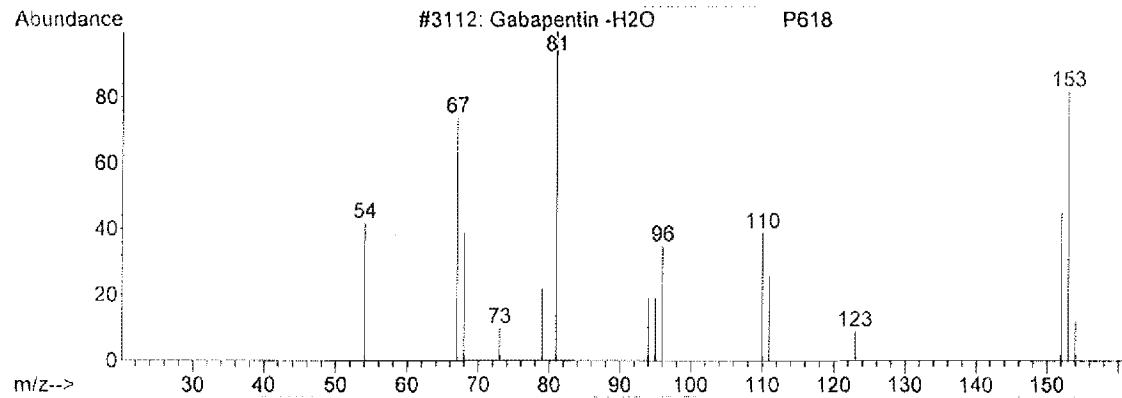
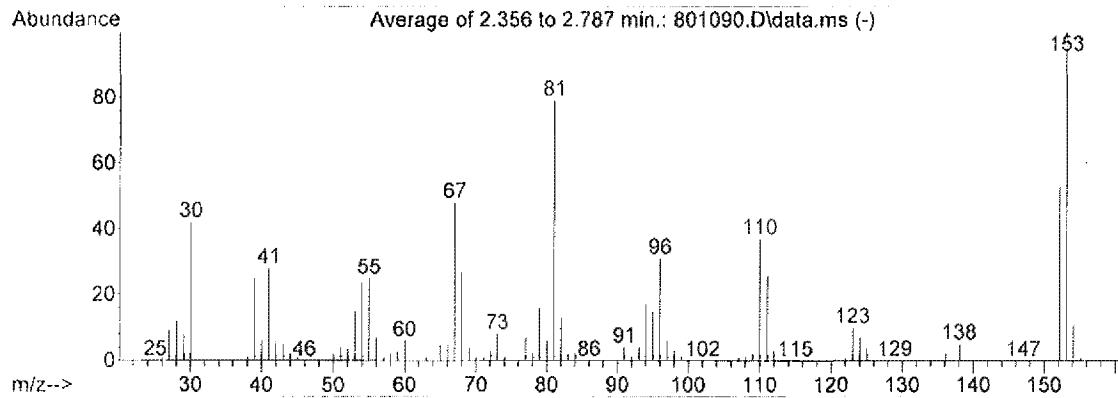
Ret. Time	Area	Area %	Ratio %
2.471	4191550	100.00	100.00

Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801090.D
 Operator : NEM
 Date Acquired : 15 Sep 2011 13:45
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 90
 AcquisitionMeth: MDMA.M
 Integrator : RTE

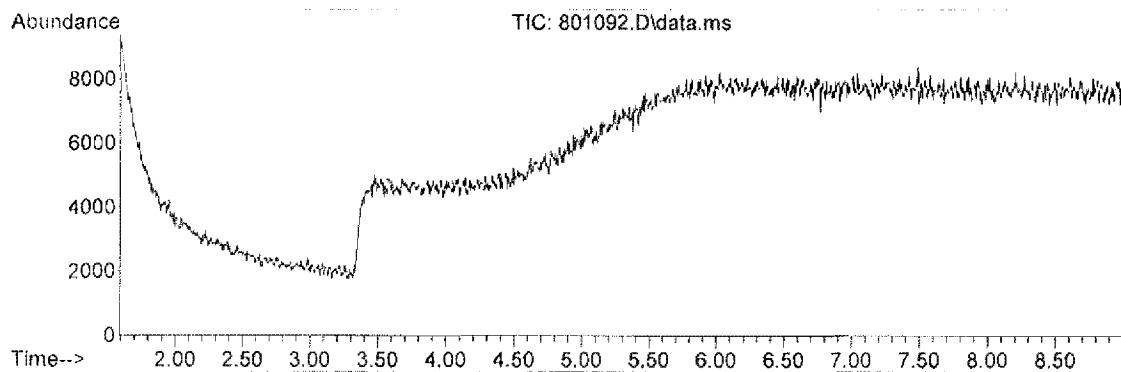
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST05a.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.47	C:\Database\PMW_TOX2.L		
		Gabapentin -H2O	000000-00-0	97
		Lenacil	002164-08-1	12
		Chlormezanone artifact	000000-00-0	1



Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801092.D
Operator : NEM
Date Acquired : 15 Sep 2011 14:08
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: MDMA.M
Integrator : RTE

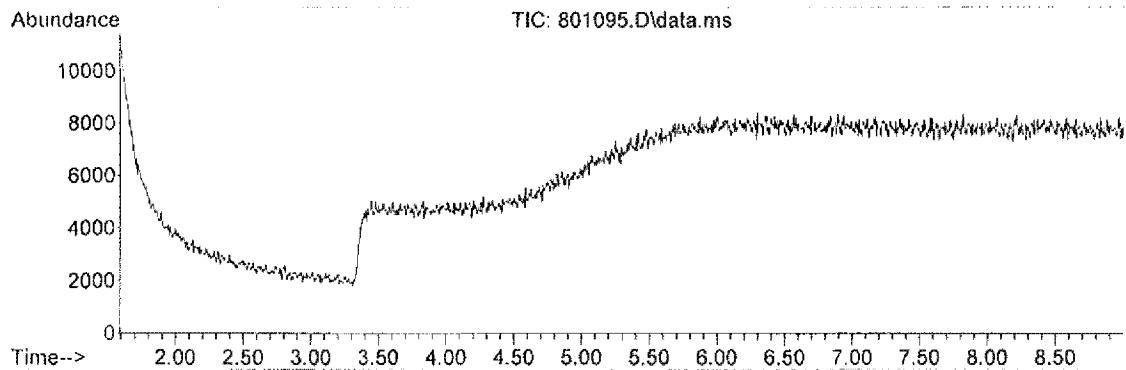


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801095.D
Operator : NEM
Date Acquired : 15 Sep 2011 14:43
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: MDMA.M
Integrator : RTE

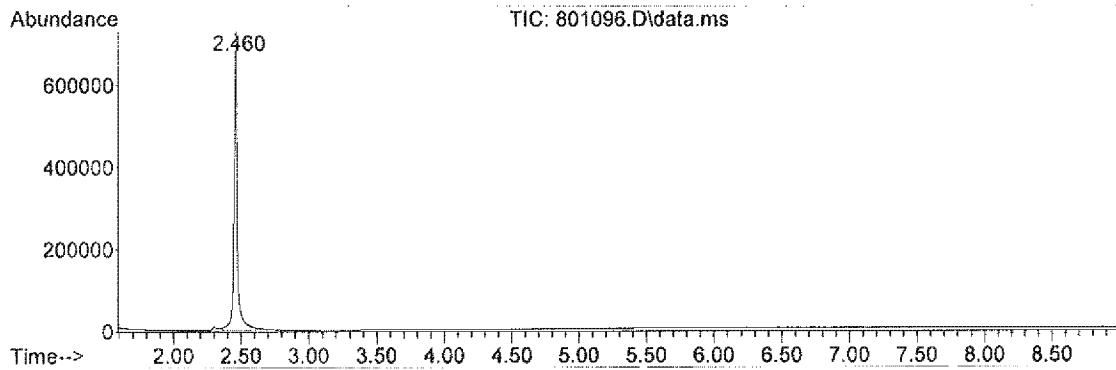


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801096.D
Operator : NEM
Date Acquired : 15 Sep 2011 14:54
Sample Name : GABAPENTIN STD
Submitted by :
Vial Number : 87
AcquisitionMeth: MDMA.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.460	1201929	100.00	100.00

Information from Data File:

File Name : F:\Q3-2011\System7\09_14_11\801096.D
Operator : NEM
Date Acquired : 15 Sep 2011 14:54
Sample Name : GABAPENTIN STD
Submitted by :
Vial Number : 87
AcquisitionMeth: MDMA.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.46	C:\Database\PMW_TOX2.L		
		Gabapentin -H2O	000000-00-0	96
		Lenacil	002164-08-1	8

